APPARATUS FOR CYCLE-SKIPPING POWER CONTROL

ABSTRACT

[0054] In one embodiment of the present invention, a power controller for an AC load comprises: a user interface adapted to interact with a user to produce at least one user interface signal; and a control module adapted to electrically couple a line voltage supply, electrically couple the AC load, and provide electrical power to the AC load as a function of the at least one user interface signal by implementing a low-flicker, cycle-skipping control algorithm, the control algorithm comprising a plurality of cycle patterns, the cycle patterns comprising a plurality of main power levels.